



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

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August 16, 2004

Karen D. Johnson (3WP32)
Chief, Safe Drinking Water Branch
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Re: Submission of Database Management and Reporting Plan

Dear Ms. Johnson:

Pursuant to the Administrative Order For Compliance on Consent Docket No. SDWA-03-2004-0259DS, the District of Columbia Water and Sewer Authority ("WASA") hereby official submits the following:

- Pursuant to ¶76, a plan and schedule for enhanced information, database management, and reporting.

I certify under penalty of law that this plan and its attachment was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my personal knowledge or my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment for knowing violations.

Sincerely,

Wendy Hartmann Moore
Principal Counsel

Postmark 17 Aug
Rec'd 23 Aug 04

USEPA- DCWASA ADMINISTRATIVE ORDER
Consent Docket No. SDWA-03-2004-0259DS
Paragraph 76 Submittal Requirements

A. Background

Pursuant to Paragraph 76 of the EPA Administrative Order for Compliance, DCWASA hereby submits its plan and schedule for enhanced information, database management, and reporting. This Plan is designed to ensure: there are sufficient sampling locations that conform to the requirements of 40 CFR §141.86, the results will be recorded and maintained pursuant to 40 CFR §141.91, and reports will be generated and timely submitted to EPA.

To accomplish these objectives, WASA has created and has begun using a Lead and Copper Database, which is more fully described below.

B. Plan

WASA created a database to log lead and copper sample results from routine and non-routine sample tests. This database will generate and track mail merge documents, generate reports, track sampling results for each monitoring period.

To create this database, sampling locations were chosen based upon service line material type (confirmed by other agency records). Use of this database will eliminate duplication of addresses, ensure sampling locations meet regulations, generate timely reporting of results to customers, and generate timely reports to EPA. An outline of the database is attached.

C. Schedule

This database has already been created and is currently in use.

LEAD & COPPER



DATABASE OUTLINE

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PROJECT DESCRIPTION

OBJECTIVE:

Create a database to log lead and copper sample results.

PURPOSE:

To track Lead & Copper results from routine and non-routine sample tests. The database will also be used to generate and track mail merge documents for sending lead and copper letters to DCWASA customers within 3 days.

BENEFITS:

- Quicker response time to customers
- Electronic file storage and backup
- The ability to produce statistics reports

LEAD & COPPER DATABASE SUMMARY SHEET

Location Information Table		
Field Name	Data Type	Description
LocationPk	AutoNumber	Primary Key
Address	Text	Address of Customer
FName	Text	First name of customer
LName	Text	Last name of customer
Quadrant	Text	SE, SW, NE, NW
City	Text	Default Value "Washington, DC"
Zip	Text	Zip code
Pipe Material	Text	Brass, Copper, Lead, Unknown
Routine	Yes/No	Routine check

Sample Results Table		
Field Name	Data Type	Description
SamplePk	AutoNumber	Primary Key
LocationPk	Number	Foreign Key (Lookup)
SampleID	Text	Sample ID number
Analysis Date	Date/Time	Date Analyzed
Collection Date	Date/Time	Date Collected
Lead (ppb) 1 st Draw	Text	Lead parts per billion
Lead (ppb) 2 nd Draw	Text	Lead parts per billion
Copper (ppb) 1 st Draw	Text	Copper parts per billion
Copper (ppb) 2 nd Draw	Text	Copper parts per billion
Iron (ppb) 1 st Draw	Text	Iron parts per billion
Iron (ppb) 2 nd Draw	Text	Iron parts per billion

*There is a 1 to many relationship between "Location Information Table" and "Sample Results Table"

APPENDIX

FIGURE 1. LEAD & COPPER SWITCHBOARD

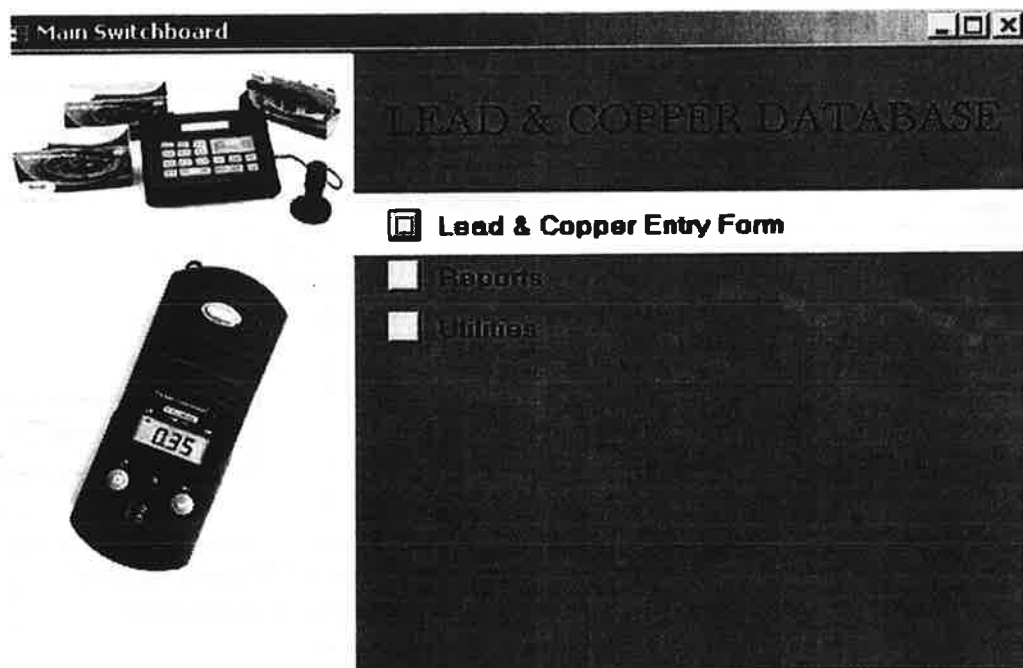


Figure 2. LEAD & COPPER ENTRY FORM

LEAD & COPPER MONITORING EXIT

Routine? ☒ YES

Pipe Material: Lead

First name: MONK Last Name: TOPPING

Address: 202 11TH ST

Quadrant: SE City: Washington, DC Zip Code: 20011

Sample Results Subform

SAMPLE RESULTS

Sample ID: 0402077-003

Analysis Date: 2/17/2004

Collection Date: 2/9/2004

Lead (ppb) 1st Draw: 0.5	Iron (ppb) 1st Draw: 23
Lead (ppb) 2nd Draw: ND	Iron (ppb) 2nd Draw: ND
Copper (ppb) 1st Draw: 230	
Copper (ppb) 2nd Draw: 18	

Records: 14 | 1 | 1 of 1

Enter Customer Information

Enter "Sample Results."

Enter 1 or more "Sample Results"
by navigating to a blank "Sample
Results" Form